EXHIBIT 7

Claim 1 Elements	Applicability		
A non-transitory computer-	Trend Micro Apex Central includes a non-transitory computer-readable media storing instructions		
readable media storing	that, when executed by one or more processors, cause the one or more processors to: receive first		
instructions that, when	vulnerability information (e.g., a smaller "sub-set" of actual vulnerabilities relevant to a particular		
executed by one or more	operating system/application/version thereof, including associated information including, but		
processors, cause the one or	not limited to information describing the actual vulnerabilities themselves, information		
more processors to:	describing endpoints that contain the particular operating system/application/version thereof,		
	information describing policy/detection/remediation techniques for addressing the actual		
receive first vulnerability	vulnerabilities relevant to the particular operating system/application/version thereof including		
information from at least one	signature/policy updates for anti-virus/data loss prevention/intrusion-detection-system		
first data storage that is	(IDS)/firewall software, where such vulnerabilities each include a security weakness, gap, or flaw		
generated utilizing second	that could be exploited by an attack or threat, etc.) from at least one first data storage (e.g.,		
vulnerability information from at	memory on the at least one device storing a repository of the smaller "sub-set" of actual		
least one second data storage	vulnerabilities relevant to a particular operating system/application/version thereof, etc.) that is		
that is used to identify a	generated utilizing second vulnerability information (e.g., a larger "super-set" list of possible		
plurality of potential	vulnerabilities relevant to different operating systems/applications/versions thereof, including		
vulnerabilities;	associated information including, but not limited to information describing the possible		
	vulnerabilities themselves, information describing the different operating		
	systems/applications/versions thereof, information describing policy/detection/remediation		
	techniques for addressing the potential vulnerabilities relevant to the different operating		
	systems/applications/versions thereof including signature/policy updates for anti-virus/data loss		
	prevention/intrusion-detection-system (IDS)/firewall software, where such vulnerabilities each		
	include a security weakness, gap, or flaw that could be exploited by an attack or threat, etc.)		
	from at least one second data storage (e.g., Common Vulnerabilities and Exposures (CVE)		
	database, etc.) that is used to identify a plurality of potential vulnerabilities (e.g., possible		
	vulnerabilities relevant to different operating systems/applications/versions thereof, etc.);		
	<u>Note</u> : See, for example, the evidence below (emphasis added, if any):		

Patent No. 10,609,063, Claim 1: Trend Micro Apex Central

"About the Web Console

The Apex Central web console provides centralized management, monitoring, and security visibility for all endpoints and users protected by Trend Micro products registered to the Apex Central server. The console comes with a set of default settings and values that you can configure based on your security requirements and specifications. The web console lets you administer the Apex Central network from any machine using a compatible web browser.

Apex Central supports the following web browsers:

- Microsoft Internet Explorer[™] 11
- Microsoft Edge™
- Google Chrome™

Web Console Requirements

Resource	Requirement	
Processor	300 MHz Intel™ Pentium™ processor or equivalent	
RAM	128 MB minimum	
Available disk space	30 MB minimum	
Browser	Microsoft Internet Explorer™ 11, Microsoft Edge™, or Google Chrome™	
	Important: When using Internet Explorer to access the Apex Central web console, turn off Compatibility View.	

Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 2-2 to 2-3 (https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)

"Attack Discovery Detection Information

Claim 1 Elements	Applicability		
	Provides general information about threats detected by Attack Discovery		
	Data	Description	
	Generated	The date and time the managed product generated the data	
	Received	The date and time Apex Central received the data from the	
		managed product	
	Endpoint	The name of the endpoint	
	Product	The name of the managed product or service	
	Managing Server Entity	The display name of the managed product server in Apex Central to which the endpoint reports	
	Product Version	The version of the managed product	
	Endpoint IP	The IP address of the endpoint	
	Risk Level	The risk level assigned by Attack Discovery	
	Pattern Version	The Attack Discovery pattern number for the detection type	
	Rule ID	The serial number of the detection rule	
	Rule Name	The rules which specify behaviors to be detected by Attack	
		Discovery	
	Related Objects	The number of detections	
		Click the count to view additional details.	
		For more information, see Detailed Attack Discovery Detection Information on page B-11.	
	Generated (Local Time)	The time in the agent's local timezone when Attack Discovery detected the threat	
		The time is displayed with the UTC offset.	
	Instance ID	The detection ID assigned to the event	

Claim 1 Elements	Applicability		
		Entries having the same instance ID belong under the same event.	
	Tactics	The MITRE ATT&CK™ tactic(s) detected	
		For more information, see	
	T	https://attack.mitre.org/tactics/enterprise/.	
	Techniques	The MITRE ATT&CK™ technique(s) detected	
		For more information, see	
		https://attack.mitre.org/techniques/enterprise/.	
	Trend Micro Apex Central A	Administrator's Guide, Version: 2019, Page B-10	
	•	om/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)	
	,		
	"Threat Encyclopedia		
	Most malware today consists of blended threats, which combine two or more technologies, to bypass computer security protocols. Trend Micro combats this complex malware with products		
	that create a custom defense strategy. The Threat Encyclopedia provides a comprehensive list of		
	names and symptoms for various blended threats, including known malware, spam, malicious		
	URLs, and known vulnerabilities.		
	Go to http://about-threats.trendmicro.com/us/threatencyclopedia#malware to learn more		
	about:		
		s mobile code currently active or "in the wild"	
		mation pages to form a complete web attack story	
		ies about targeted attacks and security threats	
	Web attack and online trend information		
	 Weekly malware repor 	TS"	

Claim 1 Elements	Applicability		
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 25-2 to 25-3		
	(https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)		
	Note: As set forth below, managed product and child server information is equivalent to memory on the at least one device.		
	"Understanding the Apex Central Database		
	Apex Central uses the Microsoft SQL Server database (db ApexCentral.mdf) to store data included in logs, Communicator schedule, managed product and child server information, user account, network environment, and notification settings.		
	The Apex Central server establishes the database connection using a System DSN ODBC connection. The Apex Central installation generates this connection as well as the ID and password used to access db_ApexCentral.mdf. The default ID is sa. Apex Central encrypts the password.		
	To maximize the SQL server security, configure any SQL account used to manage db_ApexCentral with the following minimum permissions:		
	 dbcreator for the server role db_owner role for db_ApexCentral 		
	Logs from managed products contribute to database expansion. Managed products send various log types to Apex Central." Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 23-2 (https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen_2019_ag.pdf)		

Claim 1 Elements	Applicability			
said first vulnerability	Trend Micro Apex Central includes said first vulnerability information (e.g., the smaller "sub-set"			
information generated utilizing	of actual vulnerabilities relevant to a particular operating system/application/version thereof)			
the second vulnerability	generated utilizing the second vulnerability information (e.g., the larger "super-set" list of			
information, by:	possible vulnerabilities relevant to different operating systems/applications/versions thereof),			
	by: identifying at least one configuration (e.g., Microsoft Windows 64-bit, Windows 32-bit, and			
identifying at least one	Mac OS, or an application/version thereof, etc.) associated with a plurality of devices (e.g.,			
configuration associated with a	managed products and endpoints, etc.) including a first device, a second device, and a third			
plurality of devices including a first device, a second device,	device (e.g., a first, second, and third of the managed products and endpoints, etc.), and			
and a third device, and	Note Con form and the estimate of the sound below to the standard of			
and a time device, and	Note: See, for example, the evidence above (where applicable) and below (emphasis added, if			
	any):			
	"Vulnerability attack			
	Malware or hacker attacks that exploits a security weakness typically found in programs and			
	operating systems."			
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 3-10			
	(https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)			
	"Procedure			
	1. Go to Administration > Security Agent Download.			
	2. Select the operating system.			
	Windows 64-bit: Select to create a 64-bit MSI installation package for Apex One Security			
	Agents			
	Windows 32-bit: Select to create a 32-bit MSI installation package for Apex One Security			
	Agents			
	Mac OS: Select to create a ZIP installation package for Apex One (Mac) Security Agents"			

Claim 1 Elements	Applicability		
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 9-3		
	(https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)		
	"About Apex Central		
	Trend Micro Apex Central™ is a web-based console that provides centralized management for		
	Trend Micro products and services at the gateway, mail server, file server, and corporate desktop		
	levels. Administrators can use the policy management feature to configure and deploy product		
	settings to managed products and endpoints. The Apex Central web-based management console		
	provides a single monitoring point for antivirus and content security products and services		
	throughout the network. Apex Central enables system administrators to monitor and report on		
	activities such as infections, security violations, or virus/malware entry points. System		
	administrators can download and deploy components, such as antivirus pattern files, scan		
	engines, and antispam rules, throughout the network to ensure up-to-date protection. Apex		
	Central allows both manual and pre-scheduled updates, and allows the configuration and		
	administration of products as groups or as individuals for added flexibility."		
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 1-2		
	(https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)		
determining that the plurality of	Trend Micro Apex Central includes determining that the plurality of devices (e.g., managed		
devices is vulnerable to at least	products and endpoints, etc.) is vulnerable to at least one accurately identified vulnerability (e.g.,		
one accurately identified	one of a subset of the possible vulnerabilities that is relevant to the identified at least one		
vulnerability based on the	operating system, etc.) based on the identified at least one configuration (e.g., Microsoft		
identified at least one	Windows 64-bit, Windows 32-bit, and Mac OS, or an application/version thereof, etc.), utilizing		
configuration, utilizing the	the second vulnerability information (e.g., the larger "super-set" list of possible vulnerabilities		
second vulnerability information	relevant to different operating systems/applications/versions thereof) that is used to identify the		
that is used to identify the			

Claim 1 Elements	Applicability			
plurality of potential vulnerabilities;	plurality of potential vulnerabilities (e.g., possible vulnerabilities relevant to different operating systems/applications/versions thereof, etc.);			
	Note: See, for example, the any):	Note : See, for example, the evidence above (where applicable) and below (emphasis added, if any):		
	"The Threat Type column d	lisplays the following threat types.		
	Threat Type	Description		
	Ransomware	Malware that prevents or limits users from accessing their system unless a ransom is paid		
	Known Advanced Persistent Threat (APT)	Intrusions by attackers that aggressively pursue and compromise chosen targets, often conducted in campaigns—a series of failed and successful attempts over time to get deeper and deeper into a target network—and not isolated incidents		
	Social engineering attack	Malware or hacker attacks that exploits a security vulnerability found in documents, such as a PDF file		
	Vulnerability attack	Malware or hacker attacks that exploits a security weakness typically found in programs and operating systems		
	Lateral movement	Searches for directories, email, and administration servers, and other assets to map the internal structure of a network, obtain credentials to access these systems, and allow the attacker to move from system to system		
	Unknown threats	Suspicious objects (IP addresses, domains, file SHA-1 hash values, email messages) with the "high" risk level, as detected by Deep Discovery Inspector, endpoint security products, or other products with Virtual Analyzer		

Claim 1 Elements	Applicability		
	C&C callback	Attempts to communicate with a command-and-control (C&C) server to deliver information, receive instructions, and download other malware	
	│	Administrator's Guide, Version: 2019, Page 3-20	
		om/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)	
identify an occurrence in connection with at least one of the plurality of devices, utilizing one or more network monitors;	Trend Micro Apex Central is configured to <i>identify an occurrence</i> (e.g., a positively-identified attack based on one of the known threat types, etc.) <i>in connection with at least one of the plurality of devices</i> (e.g., one of the managed products and endpoints, etc.), <i>utilizing one or more network monitors</i> (e.g., Trend Micro Apex Central, etc.); Note: See, for example, the evidence above (where applicable) and below (emphasis added, if any): "The Threat Type column displays the following threat types.		
	Threat Type	Description	
	<u>Ransomware</u>	Malware that prevents or limits users from accessing their system unless a ransom is paid	
	Known Advanced Persistent Threat (APT)	Intrusions by attackers that aggressively pursue and compromise chosen targets, often conducted in campaigns—a series of failed and successful attempts over time to get deeper and deeper into a target network—and not isolated incidents	
	Social engineering attack	Malware or hacker attacks that exploits a security vulnerability found in documents, such as a PDF file	
	<u>Vulnerability attack</u>	Malware or hacker attacks that exploits a security weakness typically found in programs and operating systems	

Claim 1 Elements	Applicability		
	<u>Lateral movement</u>	Searches for directories, email, and administration servers, and other assets to map the internal structure of a network, obtain credentials to access these systems, and allow the attacker to move from system to system	
	Unknown threats	Suspicious objects (IP addresses, domains, file SHA-1 hash values, email messages) with the "high" risk level, as detected by Deep Discovery Inspector, endpoint security products, or other products with Virtual Analyzer	
	C&C callback	Attempts to communicate with a command-and-control (C&C) server to deliver information, receive instructions, and download other malware	
	Trend Micro Apex Central A	Administrator's Guide, Version: 2019, Page 3-20	
	(https://docs.trendmicro.c	om/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)	
	"About Apex Central		
	Trend Micro Apex Central™ is a web-based console that provides centralized management for		
	Trend Micro products and services at the gateway, mail server, file server, and corporate desktop		
	levels. Administrators can use the policy management feature to configure and deploy product		
	settings to managed products and endpoints. The Apex Central web-based management console		
	provides a single monitoring point for antivirus and content security products and services		
	throughout the network. Apex Central enables system administrators to monitor and report on		
	activities such as infections, security violations, or virus/malware entry points. System		
	administrators can downlo	ad and deploy components, such as antivirus pattern files, scan	
	engines, and antispam rule	es, throughout the network to ensure up-to-date protection. Apex	
	Central allows both manua	l and pre-scheduled updates, and allows the configuration and	
	administration of products	as groups or as individuals for added flexibility."	

Claim 1 Elements	Applicability		
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 1-2 (https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)		
based on a packet analysis, determine that the at least one accurately identified vulnerability of the at least one of the plurality of devices is susceptible to being taken advantage of by the occurrence identified in connection with the at least one of the plurality of devices, utilizing the first vulnerability information; and	Trend Micro Apex Central is configured to, based on a packet analysis (e.g., examining the actual content of network packets, etc.), determine that the at least one accurately identified vulnerability (e.g., one of a subset of the possible vulnerabilities that is relevant to the identified at least one operating system, etc.) of the at least one of the plurality of devices (e.g., one of the managed products and endpoints, etc.) is susceptible to being taken advantage of by the occurrence (e.g., the positively-identified attack based on one of the known threat types, etc.) identified in connection with the at least one of the plurality of devices (e.g., one of the managed products and endpoints, etc.), utilizing the first vulnerability information (e.g., the smaller "subset" of actual vulnerabilities relevant to a particular operating system/application/version thereof); and Note: See, for example, the evidence above (where applicable) and below (emphasis added, if any):		
	"Intrusion Prevention Rules		
	The Intrusion Prevention Rules screen displays the Intrusion Prevention Rules supported by Apex Central Vulnerability Protection. Intrusion Prevention Rules examine the actual content of network packets (and sequences of packets). Based on the conditions set within the Intrusion Prevention Rule, various actions are then carried out on these packets. These actions include replacing specifically defined or suspicious byte sequences, or completely dropping packets and resetting the connection.		

Claim 1 Elements	Applicability			
Claim 1 Elements	 To filter the list of rules, use the Search box to specify full or partial strings that appear in any of the columns. To sort the list of Intrusion Prevention Rules by column data, click a column heading. To view detailed Intrusion Prevention Rule Properties, click the link in the Name column of a rule." Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 14-33 (https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen_2019_ag.pdf) "Attack Discovery Detection Information 			
	Provides general information about threats detected by Attack Discovery			
	Data	Description The data and times the managed are dust somewhat the data		
	Received The date and time the managed product generated the data The date and time Apex Central received the data from the managed product			
	Endpoint	The name of the endpoint		
	Product	The name of the managed product or service		
		The display name of the managed product server in Apex Central to which the endpoint reports		
	Product Version	The version of the managed product		
	Endpoint IP	The IP address of the endpoint		
	Risk Level	The risk level assigned by Attack Discovery		
	Pattern Version	The Attack Discovery pattern number for the detection type		
	Rule ID The serial number of the detection rule			
	Rule Name	The rules which specify behaviors to be detected by Attack Discovery		

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PRELIMINARY CLAIM CHART

Claim 1 Elements	Applicability	
	Related Objects	The number of detections
		Click the count to view additional details.
		For more information, see Detailed Attack Discovery Detection Information on page B-11.
	Generated (Local Time)	The time in the agent's local timezone when Attack Discovery detected the threat
		The time is displayed with the UTC offset.
	Instance ID	The detection ID assigned to the event
		Entries having the same instance ID belong under the same event.
	Tactics	The MITRE ATT&CK™ tactic(s) detected
		For more information, see https://attack.mitre.org/tactics/enterprise/.
	Techniques	The MITRE ATT&CK™ technique(s) detected
		For more information, see https://attack.mitre.org/techniques/enterprise/.
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page B-10	
	•	com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)
	"Threat Encyclopedia	
	1	sts of blended threats, which combine two or more technologies, to protocols. Trend Micro combats this complex malware with products

Patent No. 10,609,063, Claim 1: Trend Micro Apex Central

Claim 1 Elements	Applicability
	that create a custom defense strategy. The Threat Encyclopedia provides a comprehensive list of names and symptoms for various blended threats, including known malware, spam, malicious URLs, and known vulnerabilities.
	Go to http://about-threats.trendmicro.com/us/threatencyclopedia#malware to learn more about: • Malware and malicious mobile code currently active or "in the wild" • Correlated threat information pages to form a complete web attack story • Internet threat advisories about targeted attacks and security threats • Web attack and online trend information • Weekly malware reports"
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 25-2 to 25-3 (https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)
allow selective utilization of different occurrence mitigation actions of diverse occurrence mitigation types, including a firewall-based occurrence mitigation type and an intrusion prevention system-based occurrence mitigation type, across the plurality of devices for occurrence mitigation by preventing advantage being taken of accurately identified vulnerabilities utilizing the different occurrence mitigation	Trend Micro Apex Central is configured to allow selective utilization of different occurrence mitigation actions of diverse occurrence mitigation types (e.g., firewall configuration, intrusion detection, etc.), including a firewall-based occurrence mitigation type (e.g., firewall configuration including allowing network traffic to applications that Trend Micro has verified to be safe, etc.) and an intrusion prevention system-based occurrence mitigation type (e.g., intrusion detection including actions carried out on packets based on conditions set within an Intrusion Prevention Rule, etc.), across the plurality of devices (e.g., managed products and endpoints, etc.) for occurrence mitigation by preventing advantage being taken of accurately identified vulnerabilities (e.g., a subset of the possible vulnerabilities that is relevant to the identified at least one operating system, etc.) utilizing the different occurrence mitigation actions of the diverse occurrence mitigation types (e.g., firewall configuration, intrusion detection, etc.) across the plurality of devices (e.g., managed products and endpoints, etc.);

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PRELIMINARY CLAIM CHART

Patent No. 10,609,063, Claim 1: Trend Micro Apex Central

Claim 1 Elements	Applicability		
actions of the diverse occurrence mitigation types across the plurality of devices;	Note: See, for example, the evidence above (where applicable) and below (emphasis added any):		
	Consideration	Effect	
	Deployment planning	Apex Central deploys update components (for example, virus	
		pattern files, scan engines, anti-spam rules, program updates) to	
		products based on Deployment Plans. These plans deploy to	
		Product Directory folders, rather than individual products. A well-	
		structured directory therefore simplifies the designation of	
	Trand Micro Anay Control	recipients.	
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 10-13 (https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)		
	such as the managed procoperating system. Table 1. Product Status In		
	Operating System	The operating system on the managed product server or Security Agent endpoint	
	OS Version	The version of the operating system on the managed product server or Security Agent endpoint	

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PRELIMINARY CLAIM CHART

Claim 1 Elements	Applicability	
	OS Service Pack	The service pack number of the operating system on the managed product server or Security Agent endpoint
	Trend Micro Apex Central 2019 Online Help /	Enterprise / Online Help Center
	 " 5. In the Certified Safe Software List section Enable the local Certified Safe Software that Trend Micro has verified to be safe, 	List : Select to allow network traffic to applications
	Enable the global Certified Safe Softv	ware List (Internet access required): Select to allow end Micro has verified to be safe, using the
		ied Safe Software List requires that you enable both Service and the Certified Safe Software Service.
	The Apex One Firewall automatically po Template List entries. If you add, modify	eption Template List that applies to this policy only. pulates the Exceptions List with the Exception n, or delete any exception in the policy Exceptions nt policy and not the Exception Template List.
	For more information about adding exce the instructions from step 3).	ptions, see Adding a Firewall Policy Exception (follow
	7. Click Save ."	

Claim 1 Elements	Applicability	
	https://docs.trendmicro.com/en-us/enterprise/apex-one-as-a-service-online-help/officescan-	
	agent-sca/using-the-offices	scan/firewall-policies/adding-a-firewall-po.aspx (emphasis added)
	"Detailed Firewall Violation Information	
	Provides specific firewall co	onfiguration information on your network, such as the managed
	product that detected the	violation, the source and destination of the transmission, and the total
	number of firewall violatio	ns"
		To
	Section	Settings
	Received	The date and time Apex Central received the data from the
		managed product
	Generated	The date and time the managed product generated the data
	Product Entity/Endpoint	Depending on the related source:
		The display name of the managed product server in Apex
		Central
		The name or IP address of the endpoint Product
	Product	The name of the managed product or service
		Francis Area One Compagnition Microsoft Francis
	 	Example: Apex One, ScanMail for Microsoft Exchange
	Event Type	The type of event that triggered the detection
		Example: intrusion, policy violation
	Risk Level	The Trend Micro assessment of risk to your network
	- 50 /0	Example: High security, low security, medium security
	Traffic/Connection	The direction of the transmission

Claim 1 Elements	Applicability		
	Protocol	The protocol the intrusion uses	
		Example: HTTP, SMTP, FTP	
	Source IP	The source IP address of the detected threat	
	Endpoint Port	The port number of the endpoint under attack	
	Endpoint IP	The IP address of the endpoint	
	Target Application	The application the intrusion targeted	
	Description	The detailed description of the incident by Trend Micro	
	Action	The action taken by the managed product	
		Example: file cleaned, file quarantined, file passed	
	Detections	The total number of detections	
		Example: A managed product detects 10 violation instances of the same type on one computer	
		Detections = 10	
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page B-51 to B-52		
	(https://docs.trendmicro.d	com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)	
	Feature	Description	
	Vulnerability Protection	Integration with Vulnerability Protection protects Apex One users	
	Integration	by <u>automating the application of virtual patches before official</u>	
		<u>patches become available</u> . Trend Micro provides protected	
		endpoints with <u>recommended Intrusion Prevention</u> rules based on	
		your network performance and security priorities.	

Claim 1 Elements	Applicability		
	https://docs.trendmicro.com/en-us/enterprise/trend-micro-apex-central-2019-online-		
	help/introduction/introducing-control-/whats-new-in-this-ve.aspx		
	"Intrusion Prevention Rule	es	
		Rules screen displays the Intrusion Prevention Rules supported by Apex	
	·	ction. Intrusion Prevention Rules examine the actual content of	
		ences of packets). <u>Based on the conditions set within the Intrusion</u> tions are then carried out on these packets. These actions include	
		ed or suspicious byte sequences, or completely dropping packets and	
	resetting the connection.	ed of suspicious byte sequences, of completely dropping packets and	
	resetting the connection.		
	To filter the list of rules, use the Search box to specify full or partial strings that appear in any		
	of the columns.		
	To sort the list of Intrusion Prevention Rules by column data, click a column heading.		
	To view detailed Intrusion Prevention Rule Properties, click the link in the Name column of a		
	rule."		
	Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 14-33		
	(https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen_2019_ag.pdf)		
	"The Threat Type column displays the following threat types.		
	Threat Type	Description	
	Ransomware	Malware that prevents or limits users from accessing their system	
	Nansoniware	unless a ransom is paid	
	Known Advanced	Intrusions by attackers that aggressively pursue and compromise	
	Persistent Threat (APT)	chosen targets, often conducted in campaigns—a series of failed	

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PRELIMINARY CLAIM CHART

Claim 1 Elements	Applicability		
		and successful attempts over time to get deeper and deeper into a	
		target network—and not isolated incidents	
	Social engineering attack	Malware or hacker attacks that exploits a security vulnerability	
		found in documents, such as a PDF file	
	Vulnerability attack	Malware or hacker attacks that exploits a security weakness	
		typically found in programs and operating systems	
	Lateral movement	Searches for directories, email, and administration servers, and	
		other assets to map the internal structure of a network, obtain	
		credentials to access these systems, and allow the attacker to move from system to system	
	Unknown threats	Suspicious objects (IP addresses, domains, file SHA-1 hash values, email messages) with the "high" risk level, as detected by Deep	
		Discovery Inspector, endpoint security products, or other products with Virtual Analyzer	
	C&C callback	Attempts to communicate with a command-and-control (C&C)	
		server to deliver information, receive instructions, and download other malware	
	Trend Micro Apex Central A	Administrator's Guide, Version: 2019, Page 3-20	
	The state of the s	om/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)	
wherein the at least one	Trend Micro Apex Central is configured wherein the at least one configuration (e.g., Microsoft		
configuration involves at least	Windows 64-bit, Windows 32-bit, and Mac OS, or an application/version thereof, etc.) involves at		
one operating system.	least one operating system.		
	Note: See, for example, the evidence above (where applicable) and below (emphasis added, if any): "Vulnerability attack		

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PRELIMINARY CLAIM CHART

Patent No. 10,609,063, Claim 1: Trend Micro Apex Central

Claim 1 Elements	Applicability
	Malware or hacker attacks that exploits a security weakness typically found in programs and operating systems (pg 3-10)" Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 3-10 (https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen 2019 ag.pdf)
	 "Procedure 1. Go to Administration > Security Agent Download. 2. Select the operating system. Windows 64-bit: Select to create a 64-bit MSI installation package for Apex One Security Agents Windows 32-bit: Select to create a 32-bit MSI installation package for Apex One Security Agents Mac OS: Select to create a ZIP installation package for Apex One (Mac) Security Agents" Trend Micro Apex Central Administrator's Guide, Version: 2019, Page 9-3 (https://docs.trendmicro.com/all/ent/apex-cen/2019/en-us/apexCen_2019_ag.pdf)

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